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ABSTRACT

Successful reform of science education requires careful orchestration of a number of factors including technological developments, organizational issues, teacher preparation and enhancement, and advances in the scientific disciplines themselves. Exemplary innovations in exam practices that assess scientific understanding in new and more appropriate ways are detailed in this book. The chapters are: (1) "Listening to Faculty"; (2) "Listening to Students"; (3) "Biology"; (4) "Chemistry"; (5) "Geology"; (6) "Physics"; and (7) "Conclusion." Between chapters 2 and 3 is a section on how to use this book and index. (DKM)

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